

FIG. 1
PRIOR ART

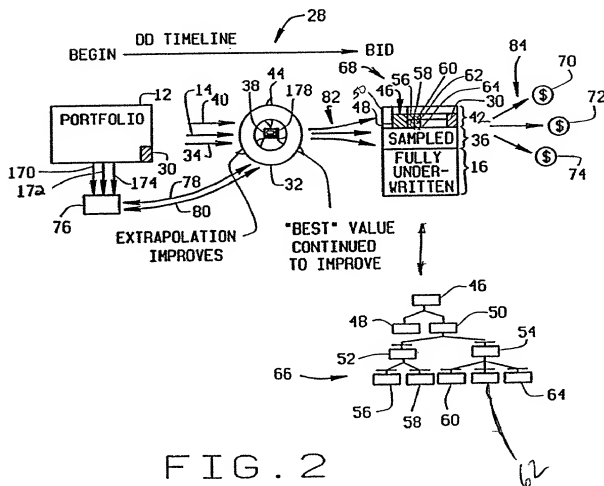


FIG. 2

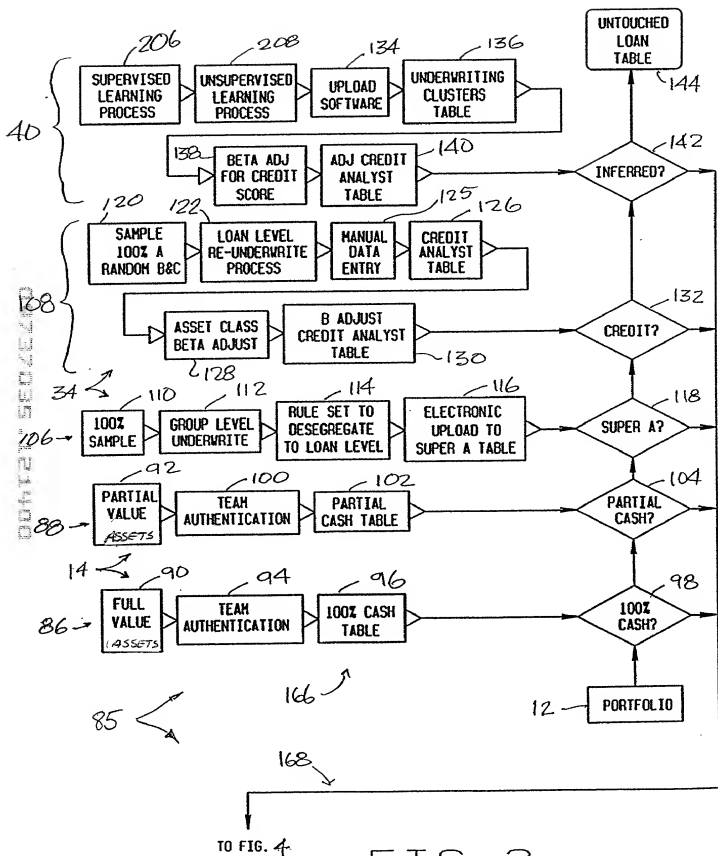


FIG. 3.



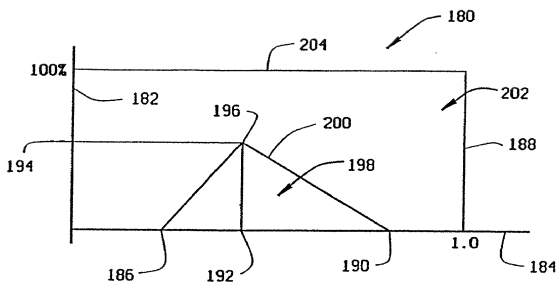


FIG. 5

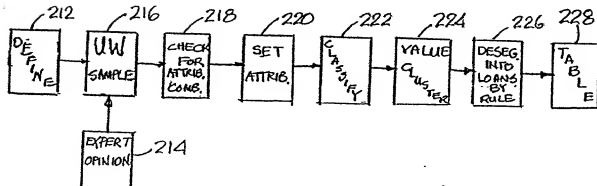
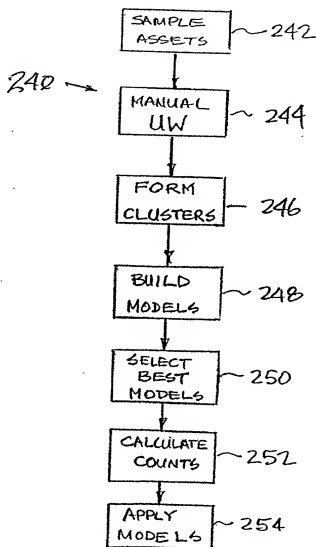
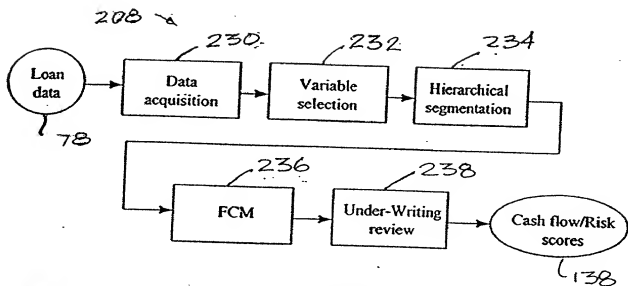


FIG. 6

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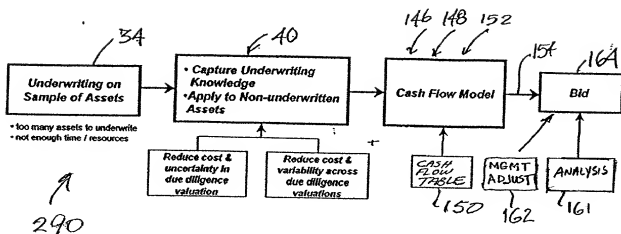


FIG. 9

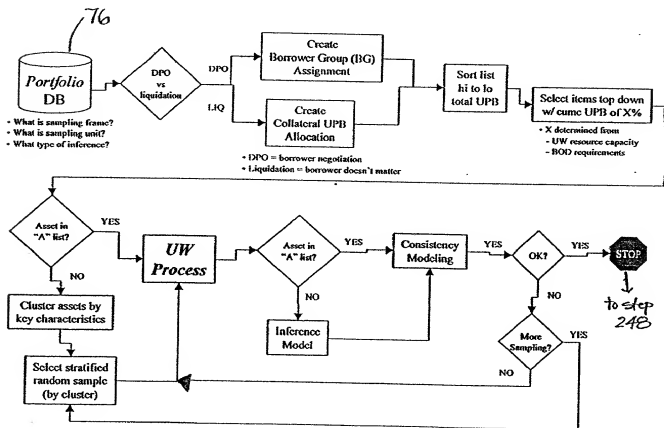


FIG. 10

6 Models Built:

- models differ by which variables used
- UW assets get the minimum error prediction (actual - predicted)

Variables Used

Land Area
Bldg Area
Old Appraisal
GEN1 Predicted Current Appraisal
GEN1 Predicted Realized Price
Property Type
Location
Com / Res
Group (cluster)

- BY -

BUILD MODELS - 248

Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
X		X	X	X	
		X			X
X	X	X	X	X	
X	X	X	X	X	
X	X		X		
X	X				
X	X	X	X	X	X
X	X	X	X	X	X

Model "Weights":

- each cell is count of times the model produced best prediction for UW assets
- determines weights for averaging predictions for non-UW assets

Model	Asset Class	Group	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Sum
256 { Court Auction	Commercial	1	13	12	13	8	6	32	87
		2	29	25	29	24	22	19	148
		Total	42	37	42	32	28	51	235
258 { Market Value	Residential	1	5	5	10	15	4	12	51
		2	4	7	8	3	13	23	58
		3	2	15	11	4	13	8	53
	Total		11	27	29	22	30	43	163
252 { Market Value	Commercial	1	16	13	11	10	15	21	86
		2	26	22	26	27	24	19	150
		Total	42	35	37	37	39	40	236
252 { Market Value	Residential	1	5	8	4	9	11	14	51
		2	6	8	10	0	15	18	59
		3	6	16	5	5	20	2	54
	Total		17	32	19	14	46	34	164

FIG. 11

Variable	Category/Value Range	Encoding Scheme
Loan secured	{Yes, No}	Yes = 1 else 0
Loan type	{Revolving, Non-revolving}	Revolving = 1 else 0
Last payment	[0, 250 MM]	0 if Last payment = 0 else 1
Notice of default sent		Prior to Jun 97 equals 1 else 0
Original maturity date		Prior to Jun 97 equals 1 else 0
Syndicated Loan	{Yes, No}	Yes = 1 else 0
Loan guaranteed	{Yes, No, NAV}	Yes = 1 else 0
Collection score	[0, 1]	
Lien position	{-1, 0, 1}	1 if Lien position = 1 else 0
Current unpaid balance/Original balance	[0, 2.9]	Normalized to [0, 1]
Last payment to Interest/Last payment	[0, 1]	

FIG. 12

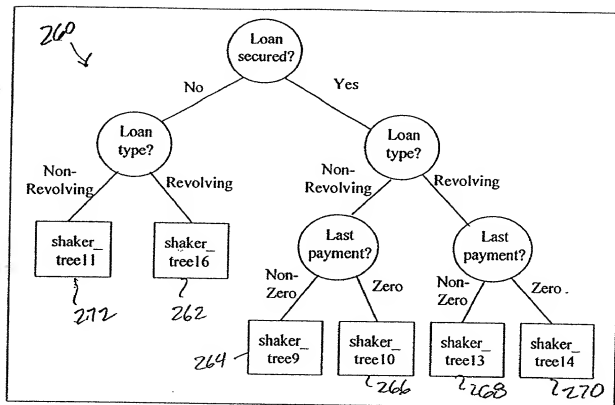
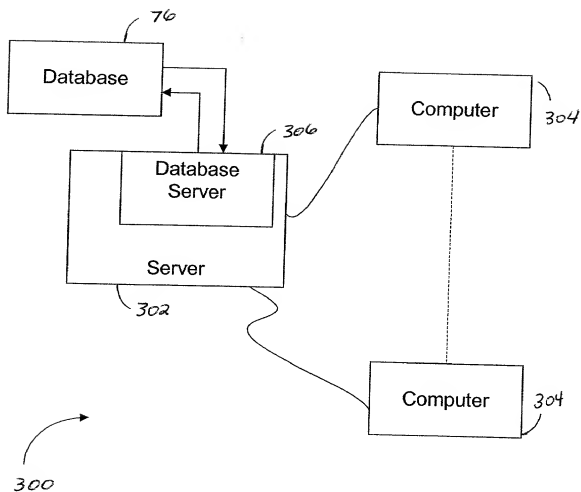


FIG. 13

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Figure 9



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